

Amendments to the Claims

This list of claims will replace all prior versions and listings of claims in this application.

Listing of Claims

1. (Currently Amended) A pin cage for a double-row self-aligning roller bearing, comprising:

- a self-aligning roller bearing having an inner ring, an outer ring and a plurality of rollers which run between the inner ring and the outer ring in two rows next to one another on raceways,
- a pin cage arranged between the two rows of rollers ~~the pin cage is~~ configured, on its axial sides, with pins which are fastened offset to one another at uniform spacings and in a stepped manner, and
- each of the rollers having ~~one an~~ axial through hole, via which each of the rollers are mounted rotatably on ~~one a~~ pin of the pin cage,

wherein

- the pin cage is ~~e~~configured as a preassembled component without a side disk, and comprises a single-piece, closed annular disk and pins which protrude axially freely away from the closed annular disk, ~~and the a free length of which is the pins being smaller than the a length of the through holes hole in each of the~~ rollers,
- ~~the a~~ lubrication of the rollers taking place by centrifugal force from ~~their the~~ rollers free end side through ~~the an~~ outer opening of ~~their the~~ rollers through hole,

and ~~the~~ a free hollow space of ~~these~~ each through ~~holes~~ hole being configured as an additional lubricant reservoir, and
wherein the annular disk has a rhomboidal profile cross-section defining two upper side faces and two lower side faces and having a perpendicular axis of symmetry, the two upper side faces defining angles relative to the axis of symmetry which are opposite one another and the two lower side faces defining angles relative to the axis of symmetry which are opposite one another, the upper side faces and the lower side faces being cut off at right angles with respect to the axis of symmetry so as to form an outer peripheral surface and an inner peripheral surface.

2. (Canceled)
3. (Currently Amended) The pin cage of claim 2 1, wherein the lower side faces of the annular disk of the pin cage ~~preferably~~ have perpendicularly inserted holes for fastening the pins, and are configured as inner axial guide faces of the rollers.
4. (Currently Amended) The pin cage of claim 2 1, wherein ~~the~~ the inner openings of ~~the~~ each through ~~holes~~ hole in the rollers of the self-aligning roller bearing are configured so as to be widened in each case by a radius and, together with the upper side faces of the annular disk of the pin cage form a defined discharge channel for lubricant which emerges from ~~the~~ each through ~~holes~~ hole of the rollers.
5. (Currently Amended) The pin cage of claim 3, ~~of~~ wherein the pins of the pin cage

are fastened by welding or screwing one end in ~~the~~ holes on the lower side faces of the annular disk, and the free length of the pins corresponds to approximately 50% to 70% of the length of the through ~~holes~~ hole in each of the rollers.

6. (Currently Amended) The pin cage of claim 5, wherein the pins of the pin cage have, on ~~their~~ the pins entire free length, either a cylindrical profile cross-section or, on both sides of a transverse axis which corresponds to ~~the~~ a longitudinal center of the rollers, a conical profile cross-section, the cone angles (α, β) corresponding on both sides to ~~the~~ an offset angle of the rollers of approximately 1°.